

**Table 1H. Federal obligations for total research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1970	1971	1972	1973	1974	1975	1976
Total, all fields	780,444	913,489	1,099,350	1,132,050	1,489,640	1,604,217	1,767,692
Life sciences, total	707,694	827,262	994,242	1,023,151	1,346,018	1,449,129	1,597,281
Biol & agricultural, total	357,493	414,722	494,485	506,897	665,893	715,664	790,253
Biol (excl environmental)	NA	NA	NA	NA	NA	NA	NA
Environmental biology	NA	NA	NA	NA	NA	NA	NA
Agricultural	NA	NA	NA	NA	NA	NA	NA
Medical sciences, total	331,274	390,553	473,503	489,322	644,736	695,419	765,030
Clinical medical	175,242	213,701	267,868	281,132	372,528	404,526	441,909
Other medical	156,032	176,852	205,635	208,190	272,208	290,893	323,121
Life sciences, n.e.c.	18,927	21,987	26,254	26,932	35,389	38,046	41,998
Psychology, total	8,693	10,261	12,456	12,878	16,972	18,311	20,139
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	8,693	10,261	12,456	12,878	16,972	18,311	20,139
Physical sciences, total	20,073	23,419	28,089	28,878	37,976	40,869	45,067
Astronomy	0	0	0	0	0	0	0
Chemistry	18,044	0	25,231	25,934	34,104	36,698	40,471
Physics	2,029	21,044	2,858	2,944	3,872	4,171	4,596
Physical sciences, n.e.c.	0	2,375	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	3,092	3,664	4,465	4,625	6,100	6,586	7,238
Mathematics	NA	NA	NA	NA	NA	NA	7,238
Computer sciences	NA	NA	NA	NA	NA	NA	0
Math & computer sciences, n.e.c.	NA	NA	NA	NA	NA	NA	0
Engineering, total	12,199	14,532	17,804	18,491	24,409	26,384	28,959
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	12,199	14,532	17,804	18,491	24,409	26,384	28,959
Social sciences, total	4,498	5,427	6,734	7,036	9,307	10,086	11,040
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	4,498	5,427	6,734	7,036	9,307	10,086	11,040
History	0	0	0	0	0	0	NA
Linguistics	0	0	0	0	0	0	NA
Other social sciences	4,498	5,427	6,734	7,036	9,307	10,086	NA
Other sciences, n.e.c.	24,195	28,924	35,560	36,991	48,858	52,852	57,968

See explanatory information, if any, and SOURCE at end of table.

**Table 1H. Federal obligations for total research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1977	1978	1979	1980	1981	1982	1983
Total, all fields	1,968,658	2,232,596	2,530,111	2,787,470	2,948,309	3,124,452	3,478,205
Life sciences, total	1,779,385	2,018,511	2,255,124	2,491,808	2,649,790	2,823,232	3,140,759
Biol & agricultural, total	881,864	1,002,372	1,176,647	1,281,328	1,393,838	1,466,283	1,672,652
Biol (excl environmental)	NA	1,002,372	1,176,647	1,281,328	1,393,838	1,466,045	1,672,299
Environmental biology	NA	0	0	0	0	238	353
Agricultural	NA	0	0	0	0	0	0
Medical sciences, total	850,670	962,963	1,012,538	1,136,668	1,181,492	1,276,596	1,366,912
Clinical medical	488,062	NA	NA	NA	NA	NA	NA
Other medical	362,608	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	46,851	53,176	65,939	73,812	74,460	80,353	101,195
Psychology, total	22,388	25,333	40,532	31,120	36,575	37,124	45,713
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	22,388	25,333	40,532	31,120	36,575	37,124	45,713
Physical sciences, total	50,227	57,050	69,173	78,314	77,652	70,157	82,337
Astronomy	0	0	0	0	0	0	0
Chemistry	45,109	51,211	62,136	68,441	69,416	62,691	72,249
Physics	5,118	5,839	7,037	9,873	8,236	7,466	10,088
Physical sciences, n.e.c.	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	8,039	9,170	6,758	8,438	9,409	8,860	11,387
Mathematics	8,039	9,170	6,758	8,438	9,409	8,860	11,387
Computer sciences	0	0	0	0	0	0	0
Math & computer sciences, n.e.c.	0	0	0	0	0	0	0
Engineering, total	32,131	36,285	41,891	43,094	43,642	41,369	39,675
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	32,131	36,285	41,891	43,094	43,642	41,369	39,675
Social sciences, total	12,218	13,794	14,537	13,575	15,250	16,230	18,324
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	12,218	13,794	14,537	13,575	15,250	16,230	18,324
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	64,270	72,453	102,096	121,121	115,991	127,480	140,010

See explanatory information, if any, and SOURCE at end of table.

**Table 1H. Federal obligations for total research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1984	1985	1986	1987	1988	1989	1990
Total, all fields	3,910,417	4,428,117	4,587,600	5,314,657	5,680,698	6,061,763	6,335,800
Life sciences, total	3,536,341	4,008,142	4,133,061	4,844,025	5,079,273	5,435,085	5,707,870
Biol & agricultural, total	1,896,446	2,165,760	2,257,472	2,668,854	2,770,716	2,943,925	3,061,895
Biol (excl environmental)	1,896,208	2,165,598	2,257,255	2,668,619	2,770,596	2,943,790	3,061,762
Environmental biology	238	162	217	235	120	135	133
Agricultural	0	0	0	0	0	0	0
Medical sciences, total	1,524,386	1,689,547	1,731,049	1,972,034	2,216,726	2,367,934	2,525,688
Clinical medical	NA	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	115,509	152,835	144,540	203,137	91,831	123,226	120,287
Psychology, total	52,597	66,273	72,753	93,428	94,326	94,600	96,844
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	52,597	66,273	72,753	93,428	94,326	94,600	96,844
Physical sciences, total	94,458	108,631	109,211	119,728	126,013	111,676	119,267
Astronomy	0	0	0	0	0	0	0
Chemistry	84,003	100,888	99,485	108,109	114,368	98,574	102,244
Physics	10,455	7,743	9,659	11,550	11,573	12,897	16,874
Physical sciences, n.e.c.	0	0	67	69	72	205	149
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	14,271	12,620	11,298	12,169	15,854	14,056	16,768
Mathematics	14,271	12,285	11,158	12,041	15,606	13,934	16,582
Computer sciences	0	335	140	128	248	122	186
Math & computer sciences, n.e.c.	0	0	0	0	0	0	0
Engineering, total	50,690	42,780	56,307	65,982	77,826	69,470	68,112
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	50,690	42,780	56,307	65,982	77,826	69,470	68,112
Social sciences, total	25,245	25,156	23,548	29,423	29,070	23,283	22,785
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	25,245	25,156	23,548	29,423	29,070	23,283	22,785
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	136,815	164,515	181,422	149,902	258,336	313,593	304,154

See explanatory information, if any, and SOURCE at end of table.

**Table 1H. Federal obligations for total research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1991	1992	1993	1994	1995	1996	1997
Total, all fields	6,783,011	7,398,728	8,638,503	9,079,728	9,333,602	9,876,913	10,519,675
Life sciences, total	5,992,286	6,705,700	7,410,073	7,763,428	8,018,689	8,597,240	9,133,344
Biol & agricultural, total	3,197,311	3,440,293	3,819,820	3,731,067	3,854,109	4,253,791	4,271,101
Biol (excl environmental)	3,196,973	3,440,157	3,810,214	3,730,949	3,854,046	4,253,721	4,271,020
Environmental biology	338	136	9,606	118	63	70	81
Agricultural	0	0	0	0	0	0	0
Medical sciences, total	2,543,717	3,018,570	3,472,904	3,889,970	3,977,633	4,057,356	4,555,369
Clinical medical	NA	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	251,258	246,837	117,349	142,391	186,947	286,093	306,874
Psychology, total	107,590	125,390	361,942	383,037	409,543	368,152	391,466
Biological aspects	0	0	0	16,678	21,874	14,226	11,989
Social aspects	0	0	0	3,577	7,268	5,964	5,907
Psychological sciences, n.e.c.	107,590	125,390	361,942	362,782	380,401	347,962	373,570
Physical sciences, total	130,656	154,361	163,216	156,351	155,685	154,401	166,615
Astronomy	0	0	0	0	0	0	0
Chemistry	108,300	136,682	142,818	137,420	137,447	137,197	147,911
Physics	22,356	17,679	20,398	18,931	18,238	17,204	18,704
Physical sciences, n.e.c.	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	23,853	29,986	32,165
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	23,853	29,986	32,165
Math & computer sciences, total	16,141	18,769	39,900	49,235	58,181	84,470	94,680
Mathematics	6,441	17,203	21,922	48,374	33,974	40,621	44,103
Computer sciences	0	1,566	17,978	861	24,207	43,849	50,577
Math & computer sciences, n.e.c.	9,700	0	0	0	0	0	0
Engineering, total	75,656	83,683	98,274	107,022	135,683	141,948	152,259
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	75,656	83,683	98,274	107,022	135,683	141,948	152,259
Social sciences, total	31,746	35,397	95,563	91,888	105,730	90,891	97,526
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	2,557	0	0	194	241
Social sciences, n.e.c.	31,746	35,397	93,006	91,888	105,730	90,697	97,285
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	428,936	275,428	469,535	528,767	426,238	409,825	451,620

See explanatory information, if any, and SOURCE at end of table.

Table 1H. Federal obligations for total research, by detailed field of science & engineering: HHS, National Institutes of Health, fiscal years 1970-2003

[Dollars in thousands]

Field of science & engineering	1998	1999	2000	2001	Preliminary	
					2002	2003
Total, all fields	11,289,180	12,875,503	16,918,319	19,480,672	22,168,256	25,734,237
Life sciences, total	9,801,441	11,178,707	13,317,138	17,539,027	19,958,481	23,157,012
Biol & agricultural, total	4,583,529	5,227,573	9,398,666	10,910,571	NA	NA
Biol (excl environmental)	4,583,442	5,227,474	9,398,666	10,910,571	NA	NA
Environmental biology	87	99	0	0	NA	NA
Agricultural	0	0	0	0	NA	NA
Medical sciences, total	4,888,590	5,575,535	3,128,659	4,772,335	NA	NA
Clinical medical	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	329,322	375,599	789,813	1,856,121	NA	NA
Psychology, total	420,101	479,134	1,463,698	564,879	643,097	759,846
Biological aspects	12,866	14,674	0	0	NA	NA
Social aspects	6,339	7,230	0	0	NA	NA
Psychological sciences, n.e.c.	400,896	457,230	1,463,698	564,879	NA	NA
Physical sciences, total	178,803	203,928	610,772	336,225	382,370	432,672
Astronomy	0	0	0	0	NA	NA
Chemistry	158,732	181,037	594,330	301,295	NA	NA
Physics	20,071	22,891	0	0	NA	NA
Physical sciences, n.e.c.	0	0	16,442	34,930	NA	NA
Environmental sciences, total	34,518	39,369	361,869	305,794	348,147	411,811
Atmospheric sciences	0	0	0	0	NA	NA
Geological sciences	0	0	0	0	NA	NA
Oceanography	0	0	0	0	NA	NA
Environmental sciences, n.e.c.	34,518	39,369	361,869	305,794	NA	NA
Math & computer sciences, total	101,606	115,884	125,810	45,114	51,377	61,405
Mathematics	47,330	53,981	125,810	45,114	NA	NA
Computer sciences	54,276	61,903	0	0	NA	NA
Math & computer sciences, n.e.c.	0	0	0	0	NA	NA
Engineering, total	163,397	186,357	385,062	173,674	197,542	225,043
Aeronautical	0	0	0	0	NA	NA
Astronautical	0	0	0	0	NA	NA
Chemical	0	0	0	0	NA	NA
Civil	0	0	0	0	NA	NA
Electrical	0	0	0	0	NA	NA
Mechanical	0	0	0	0	NA	NA
Metallurgy & materials	0	0	52,130	62,683	NA	NA
Engineering, n.e.c.	163,397	186,357	332,932	110,991	NA	NA
Social sciences, total	104,659	119,366	232,622	135,720	154,509	182,390
Anthropology	0	0	0	0	NA	NA
Economics	0	0	0	0	NA	NA
Political science	0	0	0	0	NA	NA
Sociology	258	294	0	0	NA	NA
Social sciences, n.e.c.	104,401	119,072	232,622	135,720	NA	NA
History	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	484,655	552,758	421,348	380,239	432,733	504,058

KEY: HHS = Department of Health & Human Services
 NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year, or that the agency or subagency did not exist as such or in that organization in that year)
 n.e.c. = Not elsewhere classified

NOTES: Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

Data shown for fiscal years 1970-78 represent obligations of the Department of Health, Education, and Welfare. In 1979 the Department of Health, Education, and Welfare reorganized to become the Department of Health & Human Services and the Department of Education.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003